

ABSTRACT

A sprinkler head having a first housing connected to a water supply pipe disposed inside a building ceiling. The sprinkler head includes a second housing coupled to the first housing and fixed to the ceiling surface. A deflector is adhered to the first housing for spraying water by being detached from the first housing. A locking unit is locked inside the second housing for maintaining the sealing state between the deflector and the second housing, and a heat responding unit is exposed to outside of the ceiling for sensing heat at the time of a fire occurrence and thus releasing a locking of the locking unit.

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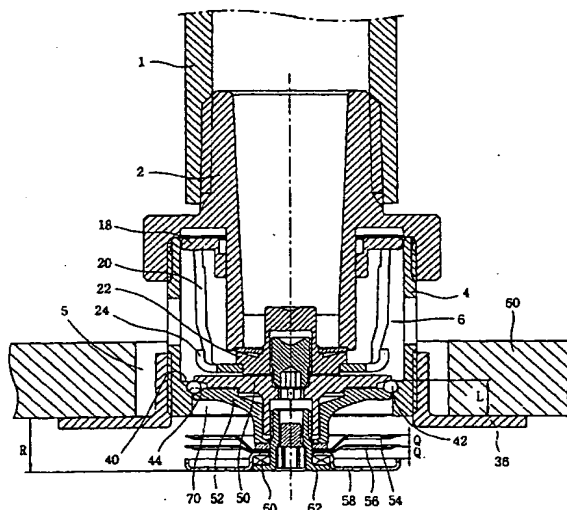
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(54) Title: **SPRINKLER HEAD**



(57) Abstract: A sprinkler head includes a deflector attached to a first housing in a sealing-available manner; a locking unit for maintaining a sealing state between the deflector and the first housing; and a heat collecting unit exposed from the ceiling and reacted to heat when a fire breaks out. A locking groove is formed in a circumferential direction at an inner side with a prescribed height from a lower surface of a second housing and an air flow collecting portion is formed at a lower portion of the second housing to collect air flow heated when a fire breaks out and generates a swirl flow. The exposure distance of the sprinkler head from the ceiling surface is minimized so as to be protected from an external impact, and a reaction speed in case of occurrence of a fire can be faster for a prompt fire suppression.

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